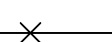
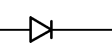
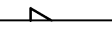
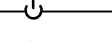
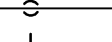
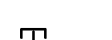


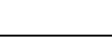
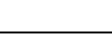
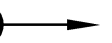
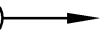
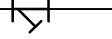
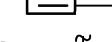










GENERAL NOTES

	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	ANCHOR
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION TO EXISTING WORK
	LIMIT OF DEMOLITION
	STRAINER
	THERMOMETER
	PRESSURE GAGE
	FLOW ELEMENT
	CLEAN OUT
	HOSE BIB
	FLOOR DRAIN

DRAWING SYMBOLS

KEY NOTE SYMBOL

MULTIPLE KEY NOTES APPLYING TO THE SAME ITEM

Diagram illustrating the components of a key note symbol:

- DETAIL NUMBER**: Represented by a hexagon containing the number 2.
- DRAWING NUMBER WHERE DRAWN**: Represented by a hexagon containing the number 2 and another hexagon containing the number 3.
- SECTION LETTER**: Represented by a circle containing the letter A.
- DRAWING NUMBER WHERE SHOWN**: Represented by a circle containing the letter A and another circle containing the number XXX.
- BUILDING NO. WHERE EQUIPMENT IS LOCATED**: Represented by a triangle containing the letter A.
- EQUIPMENT ABBREVIATION (PUMP)**: Represented by a triangle containing the letter A and another triangle containing the number XXX.
- PUMP NO. 3 IN BUILDING NO. 26**: Represented by a parallelogram containing the text 26-P 3.
- TYPICAL UNIT NO.**: Represented by a parallelogram containing the text 26-P 3.
- PIPE SYSTEM**: Represented by a rectangle containing the text SAN.
- RISER NUMBER**: Represented by a rectangle containing the number 1.

GENERAL

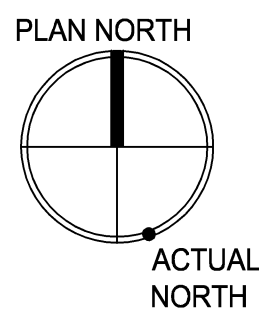
1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, INVERTS, PIPE SIZES AND MATERIALS, FLOW DIRECTION(S) AND CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING INSTALLATION OR FABRICATION WORK. (DO NOT SCALE DRAWINGS).
2. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES EVEN IF THE UTILITIES ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL REPAIR ALL DAMAGES AT THEIR OWN EXPENSE AND WILL BE RESPONSIBLE FOR ANY ADDITIONAL DAMAGES CAUSED BY A SYSTEM BEING DOWN.
3. THIS INSTALLATION WILL CONFORM TO ALL CODES AND THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES HAVING JURISDICTION.
4. INSTALL ALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS AND THE APPLICABLE CODES, STANDARDS AND REGULATIONS.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT ALL RULES AND REGULATIONS, INCLUDING THOSE WHICH MAY BE ISSUED BY THE OWNER, ARE BEING OBSERVED, PARTICULARLY WORKPLACE SAFETY AND THE CONDUCT OF ALL THOSE EMPLOYED DIRECTLY OR INDIRECTLY BY HIM OR BY HIM OR BY HIM OR BY HIS OWNERS' EMPLOYEES WHO MAY BE IMPACTED OR AFFECTED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL INSTALL SIGNAGE, TEMPORARY FENCES, BARRIERS, AND OTHER MEANS TO PROVIDE WARNING AND PROTECT SAFETY. PLACEMENT OF THESE ITEMS WILL BE COORDINATED WITH THE OWNER AND ITS TEMPORARY OPERATIONS AND WILL PROMPTLY BE RESTORED WHEN WORK IN A PARTICULAR AREA HAS BEEN COMPLETED.
6. ALL WORK WILL BE LAWFULLY EXECUTED IN A NEAT AND WORKMANLIKE MANNER AND WILL BE DONE IN ACCORDANCE WITH THE GOVERNING CODES, INDUSTRY STANDARDS AND IN COMPLIANCE WITH THE MANUFACTURERS' RECOMMENDATIONS AND REQUIREMENTS.
7. UNDER THIS CONTRACT SHALL CONSIST OF THE CONTRACTOR PROVIDING ALL LABOR, MATERIALS, AND SERVICES, INCLUDING WORK NOT SPECIFICALLY SHOWN BUT REASONABLY IMPLIED.
8. WORK ALL DRAWINGS WITH THE PROJECT SPECIFICATIONS.
9. PIPING RISING FROM A STORY IS DESIGNATED AS "RISE," PIPING RISING TO ANOTHER STORY IS NOTED AS "UP." PIPING WITH A STORY IS NOTED AS "DIP." PIPING DIPPING TO ANOTHER STORY IS NOTED AS "DOWN." PIPING WITH A STORY IS NOTED AS "DIP-RISE." PIPING DIPPING TO ANOTHER STORY IS NOTED AS "DN."

1. ALL PIPING MATERIALS AND COMPONENTS INCLUDING FITTINGS, PIPE, FLANGES, VALVES, ETC. SHALL BE DESIGNATED, FABRICATED AND INSTALLED PER THE APPROPRIATE SECTIONS OF THE LATEST CODES, VETERAN'S AFFAIRS PLUMBING STANDARDS AND PROJECT CONTRACT DOCUMENTS.
2. ALL SANITARY SEWERS 3" AND SMALLER SHALL SLOPE 1/4" PER FOOT (MIN), ALL SANITARY SEWERS 4" AND LARGER SHALL SLOPE 1/8" PER FOOT (MIN) IN THE DIRECTION OF FLOW.
3. ALL HORIZONTALLY ROUTED WASTE VENTS SHALL BE INSTALLED WITH A SLOPE TO FACILITATE GRAVITY DRAINAGE TO THE WASTE SYSTEM.
4. ALL CLEANOUTS INSTALLED IN THE SEWER SYSTEM SHALL BE SIZED AS FOLLOWS:

PIPE SIZE	SIZE OF CLEANOUT
2"	2"
2 1/2"	2 1/2"
3"	3"
4-6"	4"
5. CLEANOUTS INSTALLED IN HORIZONTAL DRAINAGE PIPING SHALL BE SPACED AT INTERVALS NOT EXCEEDING 100'.
6. THE MAXIMUM VERTICAL DISTANCE FROM THE FIXTURE OUTLET (LAVATORY, FLOOR DRAIN ETC.) TO THE TRAP WEIR SHALL BE 24".
7. SURFACES TO BE SOLDERED SHALL BE CLEANED BRIGHT, THE JOINTS SHALL BE PROPERLY FLUXED AND MADE WITH APPROVED SOLDER. SOLDER JOINTS FOR POTABLE WATER SHALL BE MADE WITH A SOLDER CONTAINING NOT MORE THAN 0.2 PERCENT LEAD.
8. UNIONS SHALL BE INSTALLED AT ALL EQUIPMENT, THE USE OF DIELECTRIC UNIONS AND FLANGES MUST BE INSTALLED IN AREAS WHERE JOINING OF DISSIMILAR METALS (ie CARBON STEEL TO COPPER OR BRONZE, ETC.) THIS IS TO FACILITATE PIPING REMOVAL AND REASSEMBLY FOR FUTURE MAINTENANCE WORK AND/OR PREVENT GALVANIC CORROSION.
9. CONTRACTOR SHALL PROPERLY BARGE, ANCHOR, AND SUPPORT ALL PIPING, VALVES ETC. IN ACCORDANCE WITH MSS SP-58.
10. PIPE SUPPORT SPACING SHALL BE IN ACCORDANCE WITH MSS-58.
11. ALL POTABLE WATER BRANCHES SHALL BE INSTALLED WITH ISOLATION VALVES CLOSE TO MAIN.
12. ALL PLUMBING FIXTURES SHALL BE PROVIDED WITH WATER ISOLATION VALVES.
13. CONTRACTOR SHALL PROVIDE WALL ACCESS COVERS TO ALL CLEANOUTS AND VALVES LOCATED WITHIN WALLS.
14. ALL WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES SHALL BE PROTECTED IN ACCORDANCE WITH SPECIFICATIONS.
15. ALL PIPES OR TUBING WHICH PASS THROUGH RATED AND NON-RATED WALLS, FLOORS AND FOUNDATION WALLS, SHALL PASS THROUGH A SCHEDULED 40 CARBON STEEL PIPE SLEEVE. SLEEVES WHICH PASS THROUGH MASONRY SHALL BE GALVANIZED COATED. ALL SLEEVES SHALL BE INSTALLED FLUSH WITH BOTH SIDES OF THE PIPING.
NON-RATED WALLS: THE SLEEVE SHALL BE SIZED TO ALLOW FREE PASSAGE OF INSULATED AND NON-INSULATED PIPES AND TUBING.
RAISED WALLS: PIPES WHICH PASS THROUGH FIRE-RATED WALLS & FLOOR SHALL USE THE APPROPRIATE DETAILED INSTALLATION METHOD OF SEALING WHILE MAINTAINING THE INTEGRITY OF THE WALL'S FIRE RATING(S).
EXTENSION WALLS & FOUNDATION: PIPES WHICH PASS THROUGH EXTENSION WALLS OR FOUNDATION WALLS SHALL BE SEALED AND MADE WEATHER-TIGHT.
16. INSULATE COLD AND HOT WATER PIPING PER THE PROJECT DOCUMENTS WITH FIRE RETARDANT VAPOR BARRIER JACKET. PIPE INSULATION SHALL BE SEALED WITH A FIRE RESISTIVE ADHESIVE.
17. CONTRACTOR IS RESPONSIBLE FOR ALL TESTING AND COORDINATION OF INSPECTIONS OF THE ENTIRE POTABLE WATER, SANITARY SEWER AND VENT SYSTEMS. TESTING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE INTERNATIONAL PLUMBING CODE.
18. ALL PIPING AND VALVES SHALL BE PROPERLY IDENTIFIED, LABELED AND TAGGED. CONTRACTOR SHALL SUBMIT VALVE TAG LIST PER SPECIFICATIONS.
19. CONTRACTOR SHALL FLUSH AND DISINFECT THE ENTIRE POTABLE WATER SYSTEM, FLUSHING AND BACKWASHING OF THE POTABLE WATER SYSTEM SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE INTERNATIONAL PLUMBING CODE.
20. PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL DOMESTIC HOT WATER CONNECTIONS TO THE MAIN.
21. CONTRACTOR SHALL PROVIDE AND INSTALL THERMAL EXPANSION/CONTRACTION COMPENSATION IN THE DOMESTIC HOT WATER AND RECIRCULATION SYSTEMS, LIMITING THE MAXIMUM MOVEMENT TO 1/16" OR LESS. ANCHORS & RESTRAINTS SHALL BE INSTALLED WHERE NECESSARY. ALL PIPES SHALL BE PROPERLY GUIDED INTO THE THERMAL EXPANSION LOOPS OR COMPENSATORS.
22. NO PRESSURIZED PIPING SHALL BE TERMINATED AND ABANDONED IN A WALL OR OTHER INACCESSIBLE AREA. ALL TERMINATIONS SHALL INCLUDE REMOVAL OF PIPING BACK TO AN EASILY ACCESSIBLE AREA WHERE THE TERMINATION SHALL BE MADE.
23. ALL FIXTURES SUPPLIED WITH DOMESTIC USE HOT WATER SHALL BE PROVIDED WITH A MIXING VALVE AND A THERMOCOLD DEVICE TO LIMIT OUTLET WATER TEMPERATURE TO 110 DEG. F. IN ACCORDANCE WITH VA DIRECTIVE 1061.



Department of
Veterans Affairs

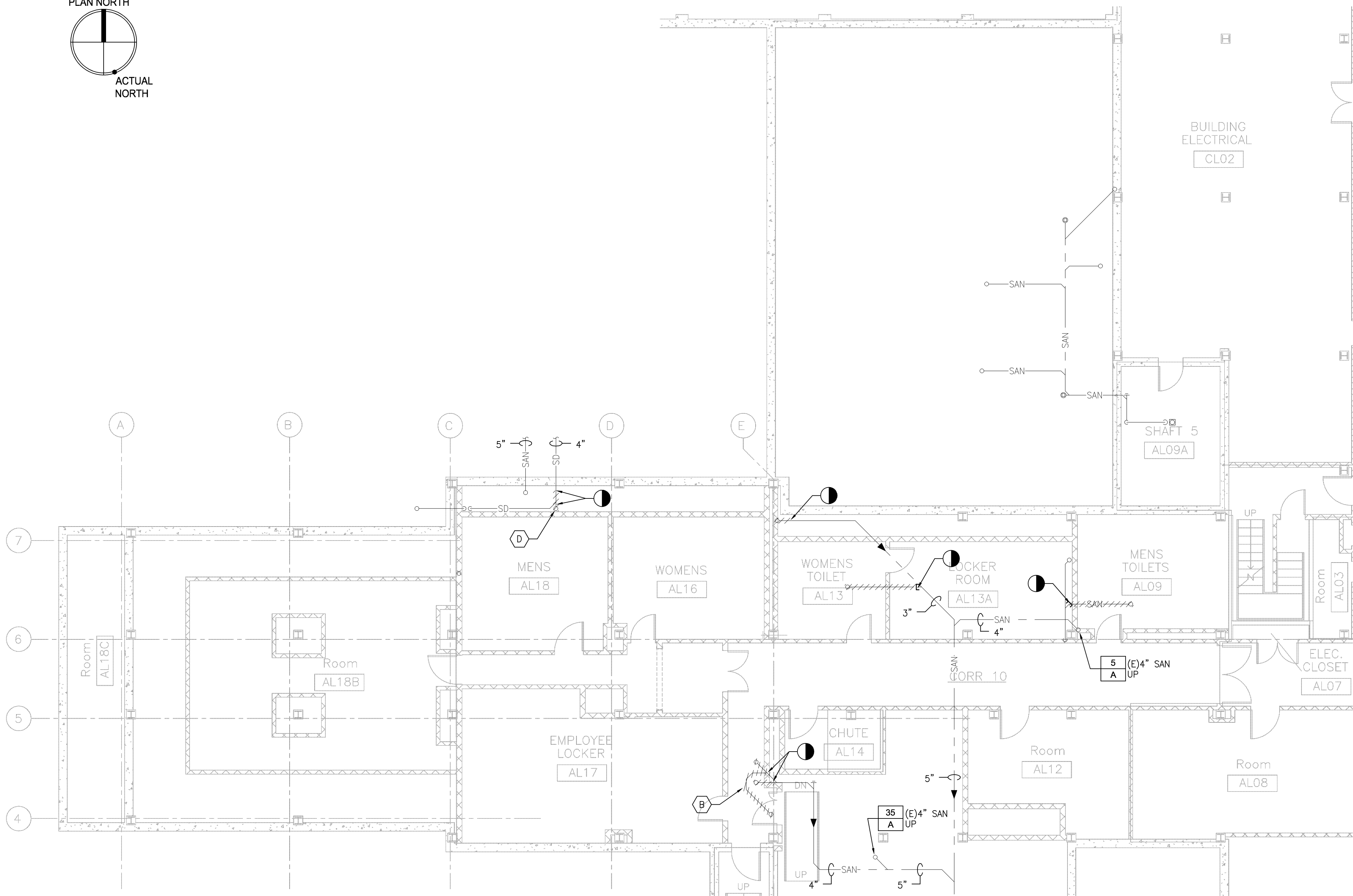


GENERAL SHEET NOTES:

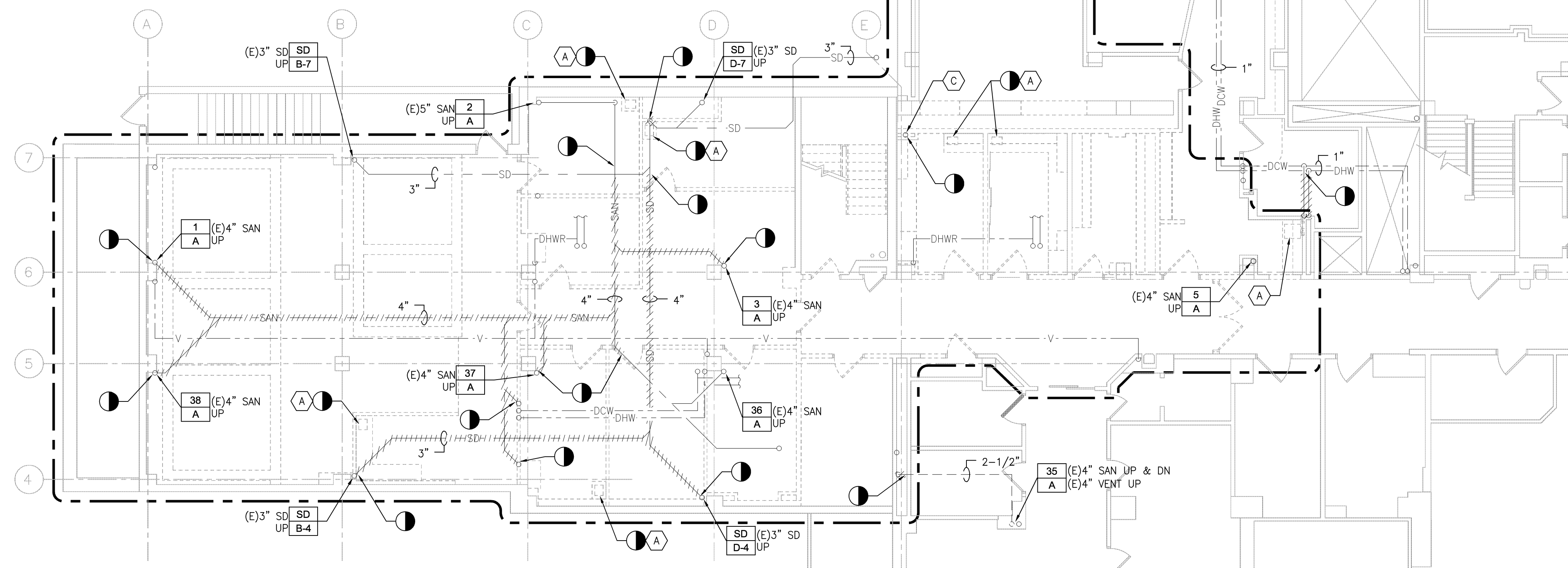
1. REFER TO DRAWING P-001 FOR PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO DRAWING P-401 FOR RISER DIAGRAMS, PLUMBING FIXTURE SCHEDULE AND DETAILS.

SHEET KEYNOTES:

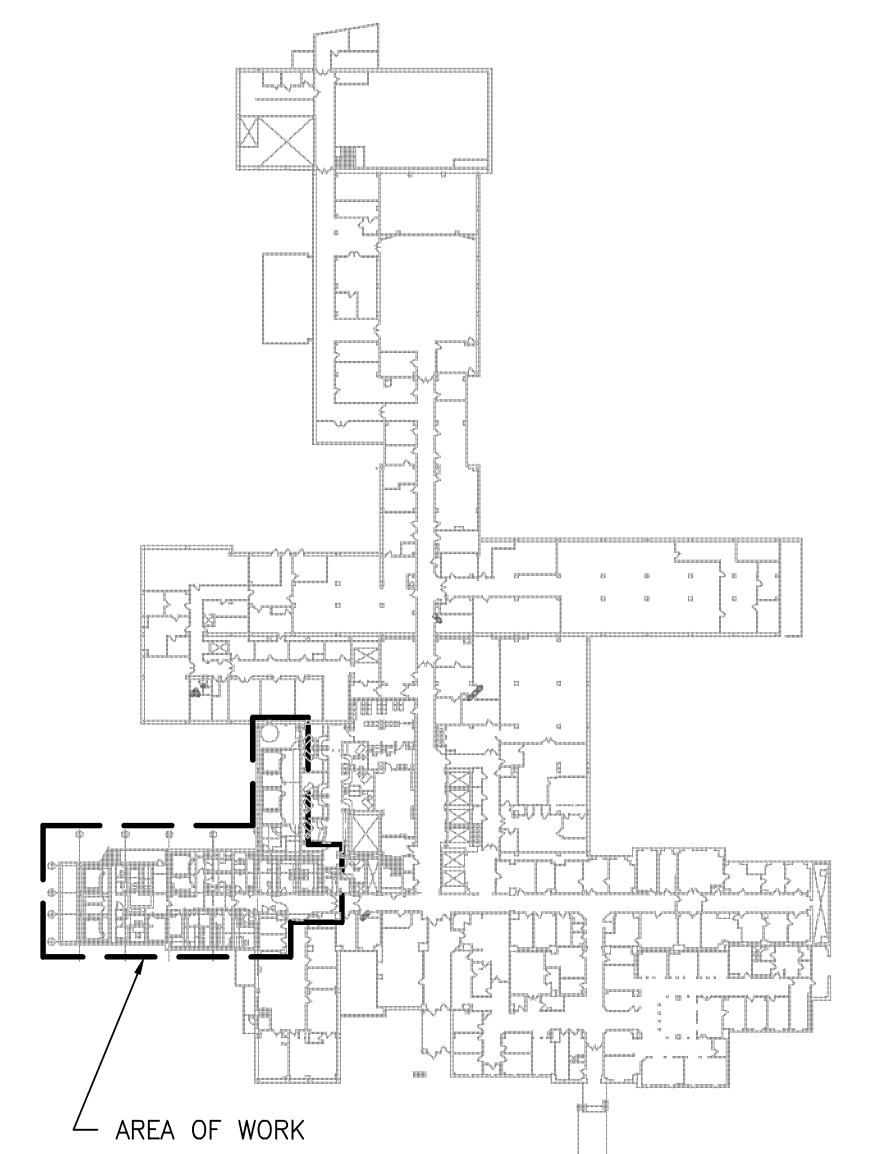
- A. EXISTING SINK AND ASSOCIATED PIPING AND SUPPORTS TO BE REMOVED. CAP PIPING BRANCHES TO REMAIN BACK AT MAIN OR STACK.
- B. EXISTING TOILET ROOM FIXTURES AND ASSOCIATED PIPING AND SUPPORTS TO BE REMOVED. CAP PIPING BRANCHES TO REMAIN BACK AT MAIN.
- C. EXISTING 3" SAN DN TO BE REMOVED.
- D. EXISTING 4" SD RISE & DN TO BE REMOVED.



1 BASEMENT DEMOLITION PLAN
SCALE: 1/8" = 1'-0"







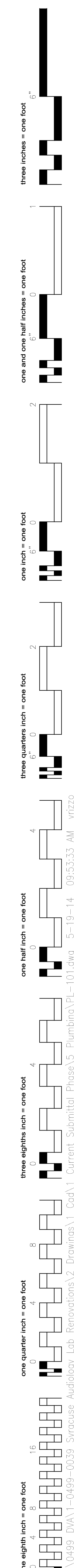
2 GROUND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



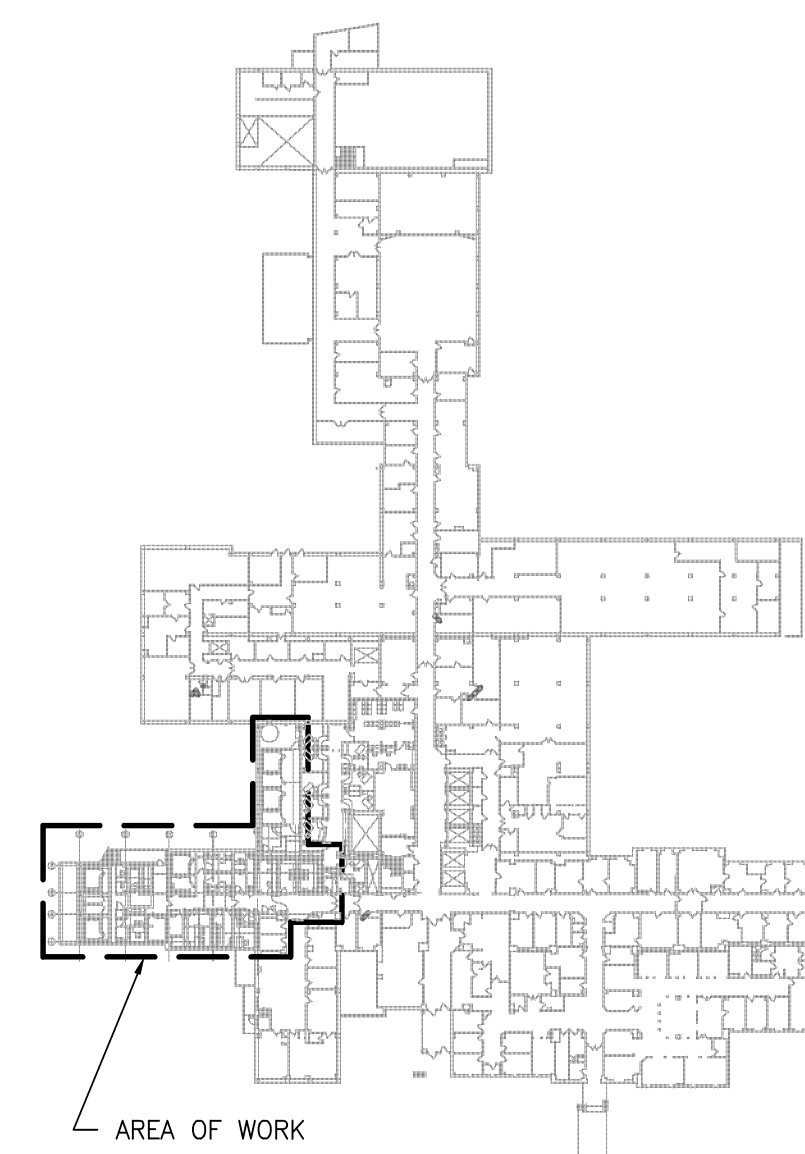
KEY PLAN - GROUND FLOOR
SCALE: NONE

100% CONTRACT DOCUMENTS
FULLY SPRINKLERED

Revisions	Date	 Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veterans Owned Small Business 1910 WINNS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856) 251-4000 FAX: (856) 251-4002	 GARDNER PLUS ARCHITECTS, PLLC 40 WILDBRIAR ROAD ROCHESTER, NEW YORK 14623 TELEPHONE: (585) 321-1210 FACSIMILE: (585) 321-1213 www.gardnerplus.com	MILLER-REMICK CORPORATION PROFESSIONAL ENGINEER	Reviewed: Facility Manager	Drawing Title PLUMBING DEMOLITION PLANS	Project Title AUDIOLOGY LAB RENOVATION	Date 05-19-2014	Project No. 528A7-13-750	Building Number NO. 1	Checked MC	Drawn PD	DRAWING NO. PD-101	Dwg. 32 of 46	 VA HEALTHCARE NETWORK UPSTATE NEW YORK	 Department of Veterans Affairs
					Reviewed: Facility Director											



2 GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"

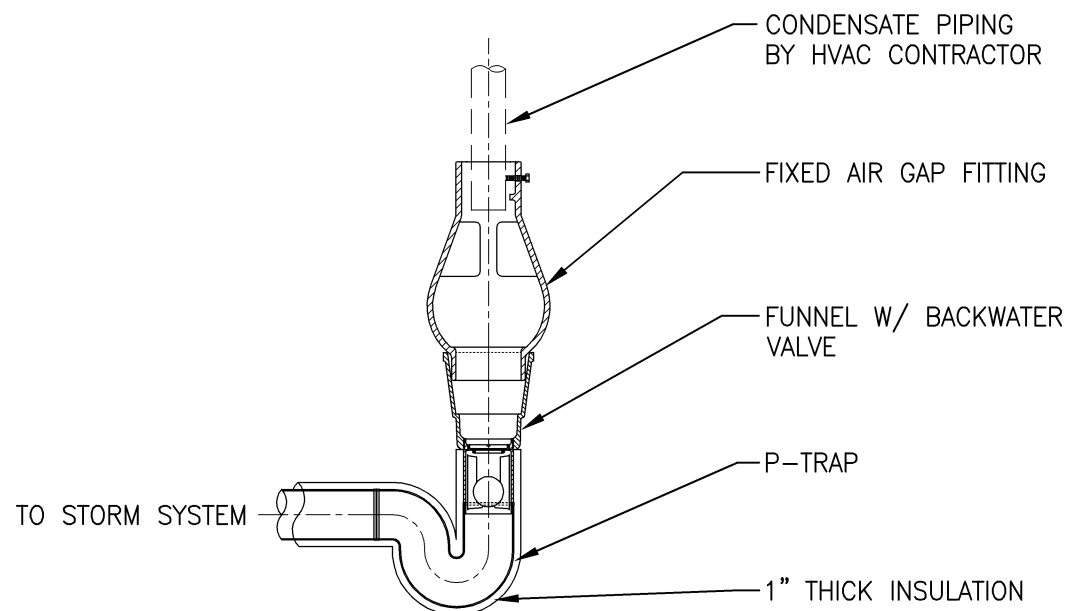


**100% CONTRACT DOCUMENTS
FULLY SPRINKLERED**

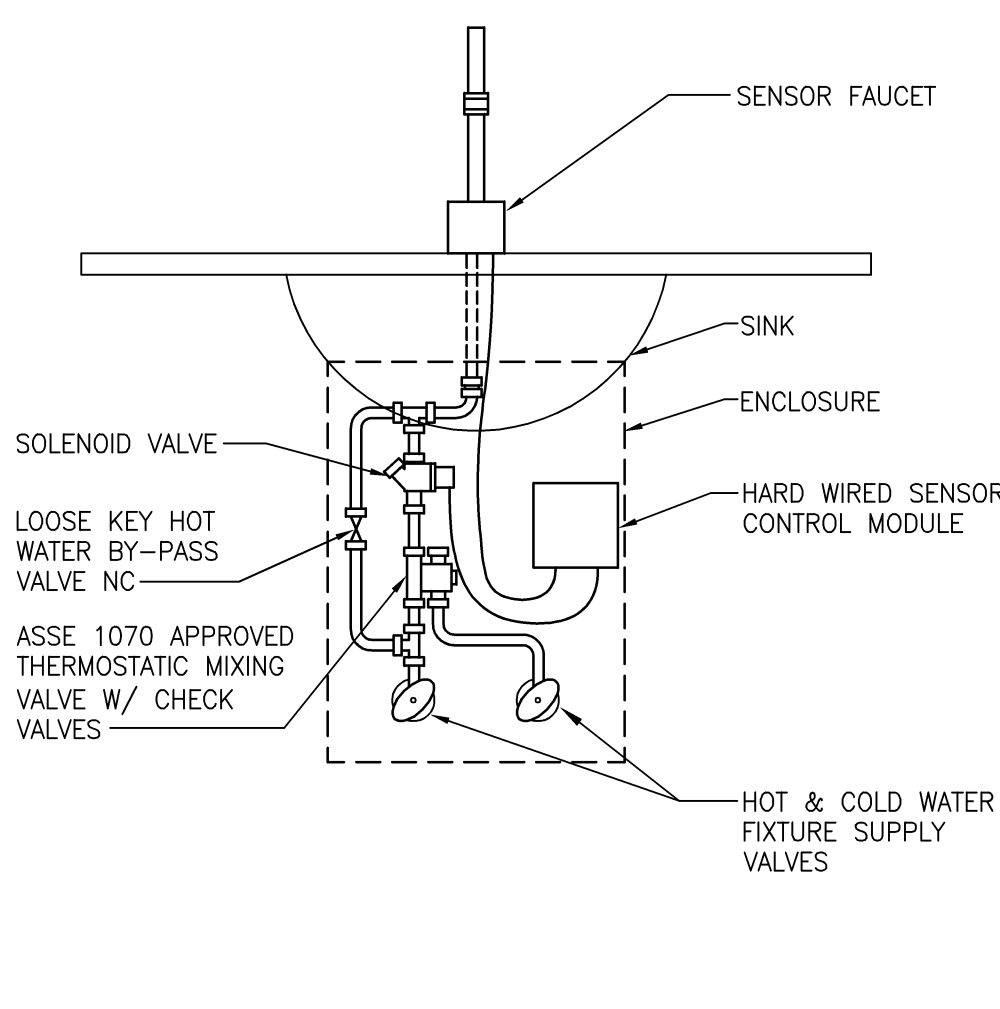


VA HEALTHCARE NETWORK
UPSTATE NEW YORK

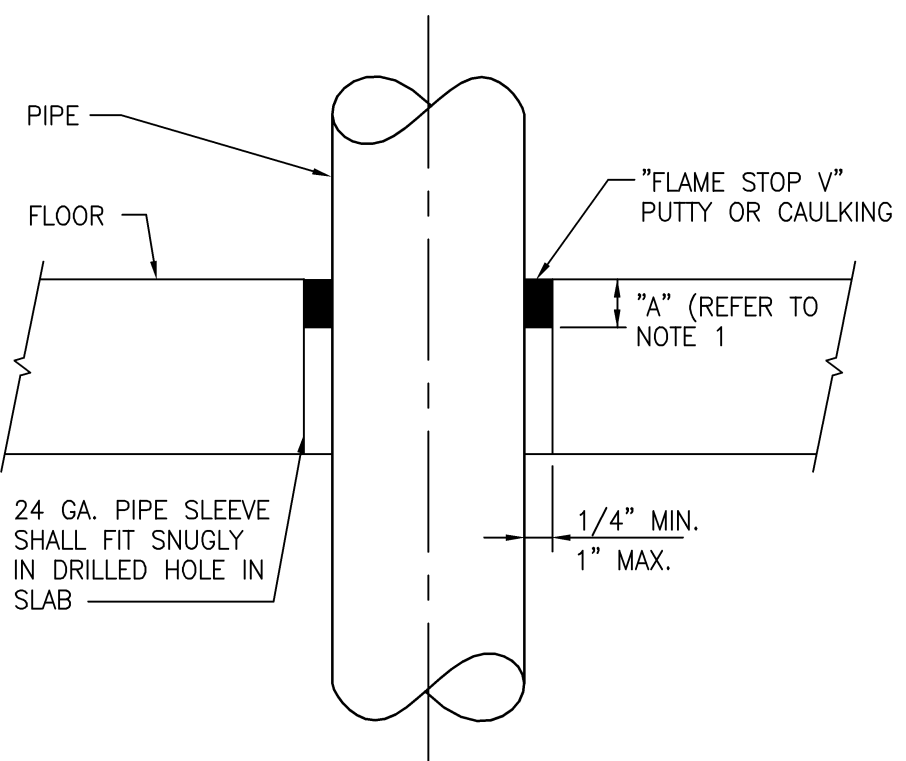
Department of
Veterans Affairs



3 TYPICAL CONDENSATE DRAIN DETAIL



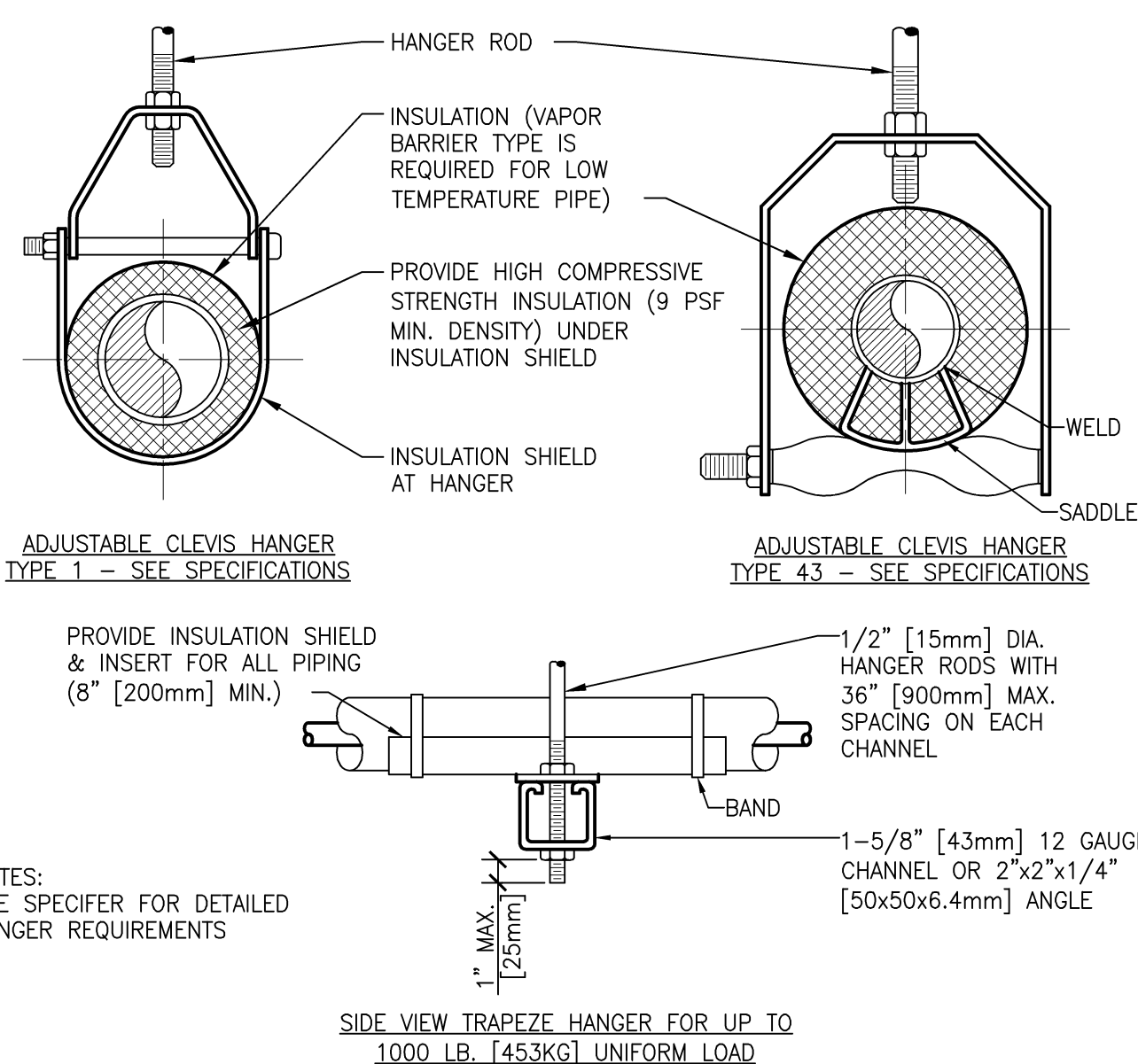
5 TYPICAL SENSOR FAUCET PIPING DETAIL
SCALE: NONE



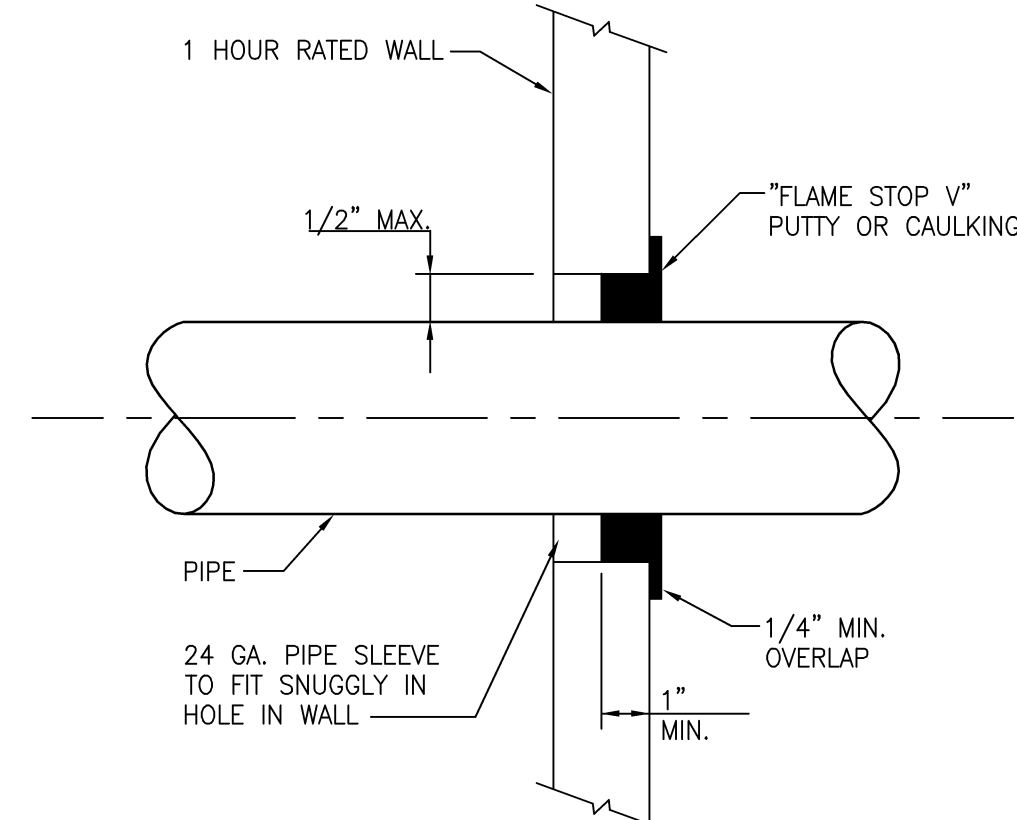
NOTES:

1. DIM "A" - FLAME STOP V DEPTH 2" MIN. FOR 3/4" TO 2" PIPE SIZES & 4" MIN. FOR 2- 1/2" TO 6" PIPE SIZES.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE CITY OF WILKES BARRE BUILDING INSPECTION DEPARTMENT REGULATIONS

2 TYPICAL FLOOR PENETRATION DETAIL
SCALE: NONE



4 TYPICAL PIPE HANGER DETAIL
SCALE: NONE



1 TYPICAL WALL PENETRATION DETAIL
SCALE: NONE

MAXIMUM PIPE/TUBING SUPPORT SPACING													
NOM. SIZE	IN	THRU	1	1 1/8	1 1/2	2	2 1/2	3	4	5	6	8	
	FT.	[20]	[25]	[32]	[40]	[50]	[63]	[75]	[100]	[125]	[150]	[200]	
PIPE	[mm]	[2100]	2100	2100	2700	3000	3400	3700	4100	4900	5200	5800	1700
TUBING	FT.	5 FT	6	7	8	8	9	10	12	13	14	16	18
	[mm]	[1500]	[1800]	[2100]	[2400]	[2400]	[2700]	[3000]	[3700]	[4000]	[4100]	[4900]	

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.



Miller-Remick LLC
 M.E.P. & Structural Engineering
 A Service Disabled Veteran Owned
 Small Business

1010 KINGS HIGHWAY SOUTH
 CHERRY HILL, NEW JERSEY 08034
 PHONE: (856)429-4000
 FAX: (856)429-5002



 **GARDNER
PLUS**
ARCHITECTS, PLLC
40 WILDBRIAR ROAD
ROCHESTER, NEW YORK 14623
TELEPHONE: (585) 321.1210
FACSIMILE: (585) 321.1213
www.gardnerplus.com

Drawing Title
**PLUMBING
DETAILS, RISER DIAGRAMS,
AND SCHEDULES**

Approved: Project Director

Project Title

**AUDIOLOGY LAB
RENOVATION**

Location	VAMC SYRACUSE, NY
----------	-------------------

Date
05-19-2014

Project No.
528A7-13-750

DRAWING NO.
P-401



Department of
Veterans Affairs